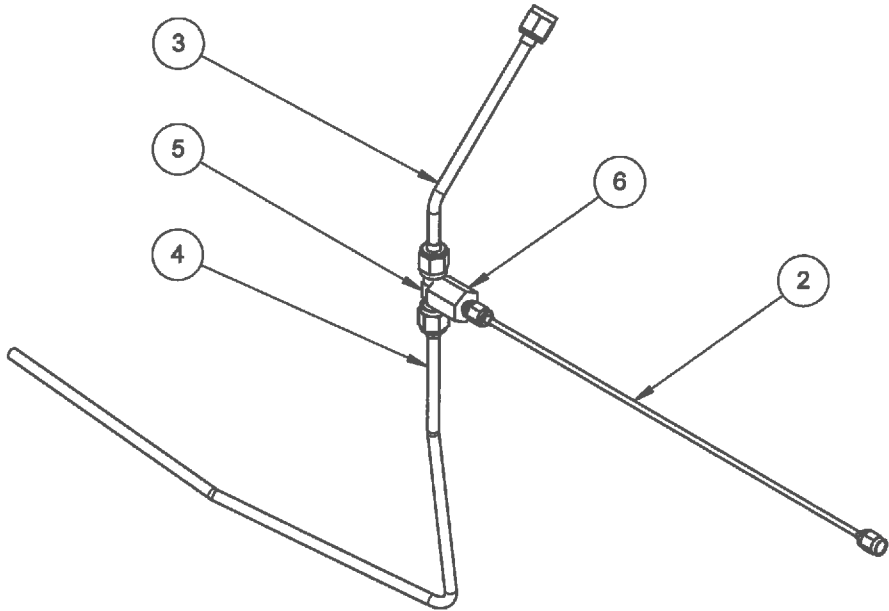


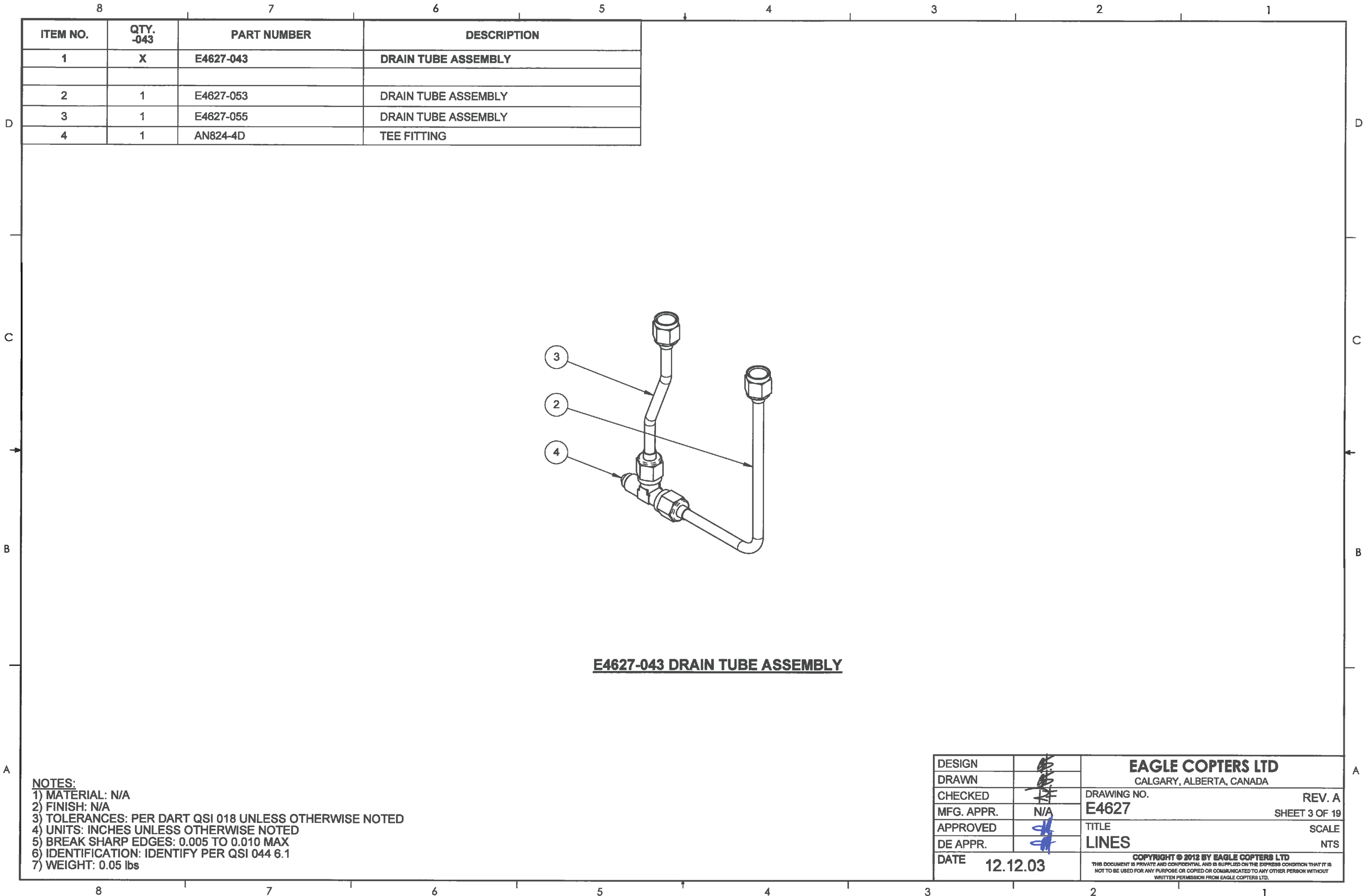
ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION
1	X	E4627-041	DRAIN TUBE ASSEMBLY
2	1	E4627-047	DRAIN TUBE ASSEMBLY
3	1	E4627-049	DRAIN TUBE ASSEMBLY
4	1	E4627-051	DRAIN TUBE ASSEMBLY
5	1	AN824-4D	TEE FITTING
6	1	MS24398D4-2	FITTING



E4627-041 DRAIN TUBE ASSEMBLY






NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
7) WEIGHT: 0.08 lbs

DESIGN		EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 2 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	



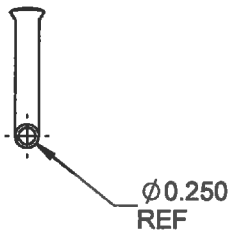
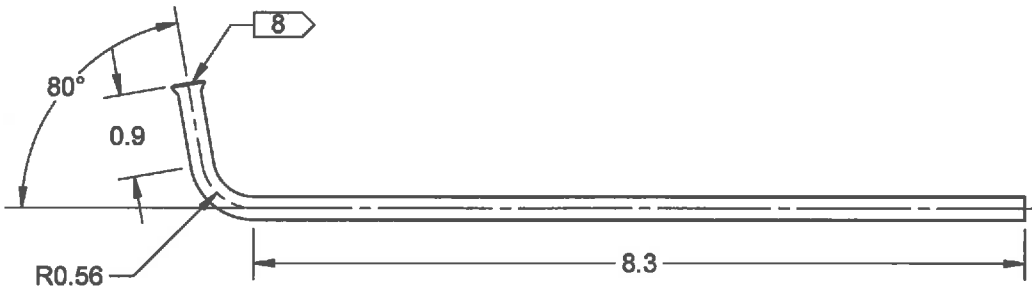
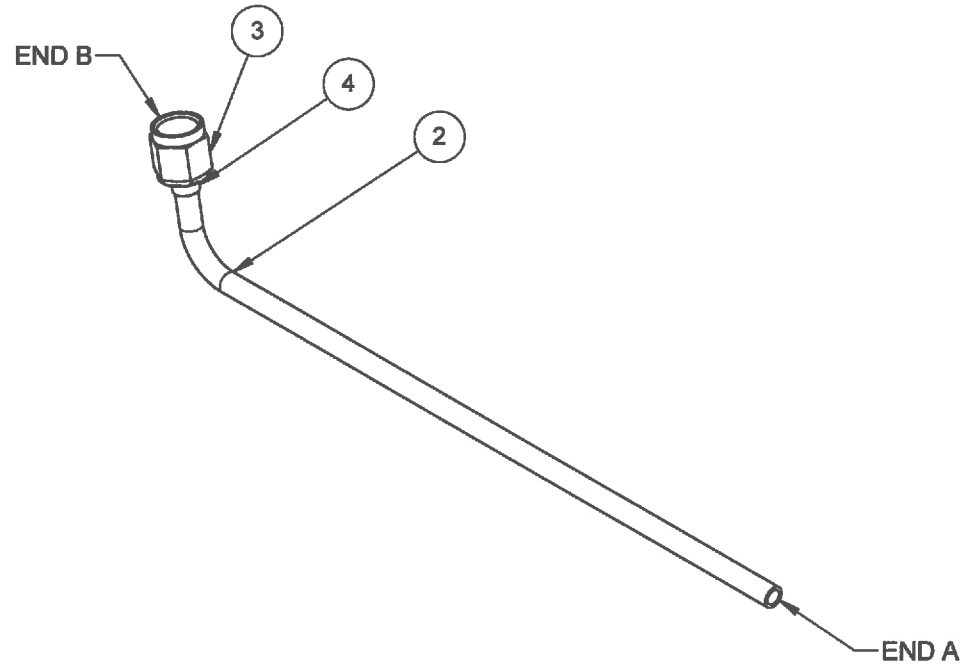
E4627-043 DRAIN TUBE ASSEMBLY

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
7) WEIGHT: 0.05 lbs






DESIGN		EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 3 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

ITEM NO.	QTY. -045	PART NUMBER	DESCRIPTION
1	X	E4627-045	DRAIN TUBE ASSEMBLY
2	1	E4627-1	TUBE
3	1	AN818-4D	NUT COUPLING
4	1	MS20819-4D	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.56	8.64	80.0	0.0
END B	-	10.47	-	-

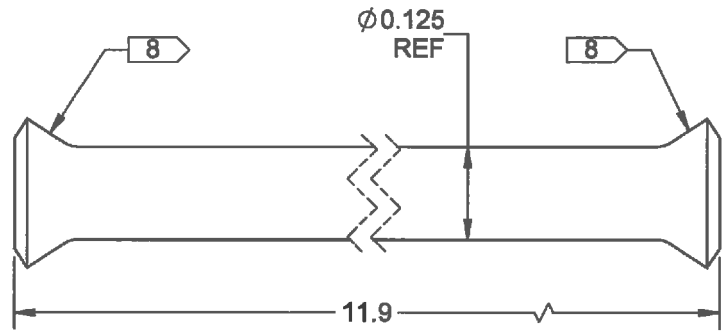
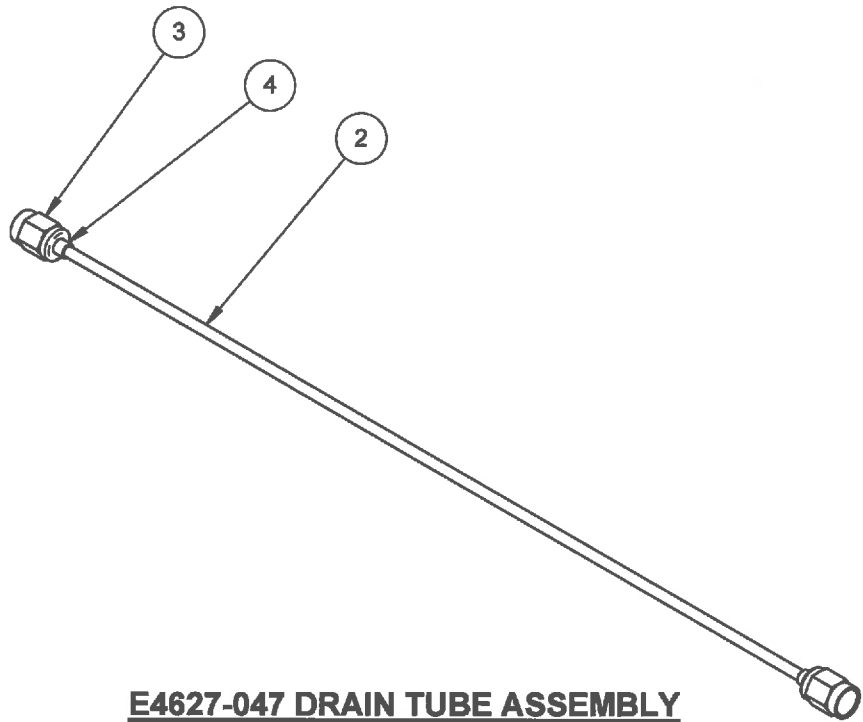


- NOTES:**
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, ϕ 0.250 X 0.035 WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.02 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) NO PRESSURE TEST REQUIRED
 - 10) MARK LINE WITH BRADY B-999 "FUEL" AND "DRAIN" TAPE

DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 4 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.			

ITEM NO.	QTY. -047	PART NUMBER	DESCRIPTION
1	X	E4627-047	DRAIN TUBE ASSEMBLY
2	1	E4627-3	TUBE
3	2	AN818-2D	NUT COUPLING
4	2	MS20819-2D	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
END B	-	11.86	-	-

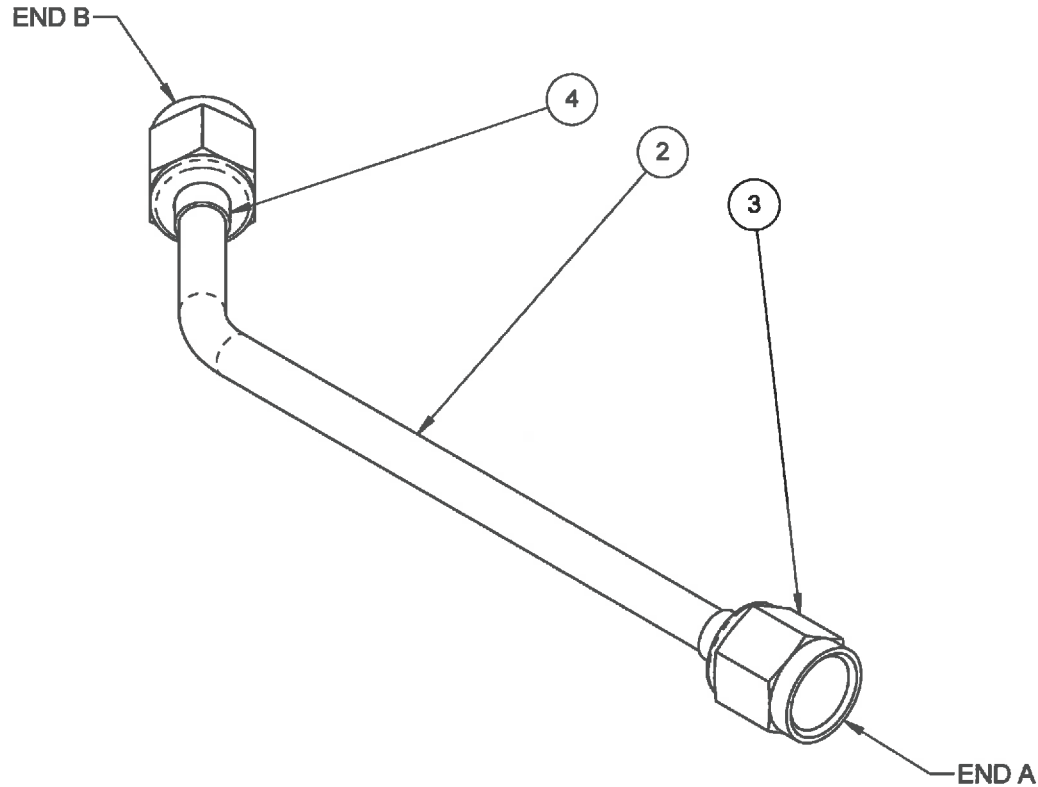


NOTES:
1) MATERIAL: 5052-O ALUMINUM TUBING, $\phi 0.125 \times 0.035$ WALL
PER WW-T-700/4
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
7) WEIGHT: 0.01 lbs
8) FLARE TUBE PER MS33584
9) MARK LINE WITH BRADY B-999 "DRAIN" TAPE
10) PRESSURE TEST TO 100 PSI

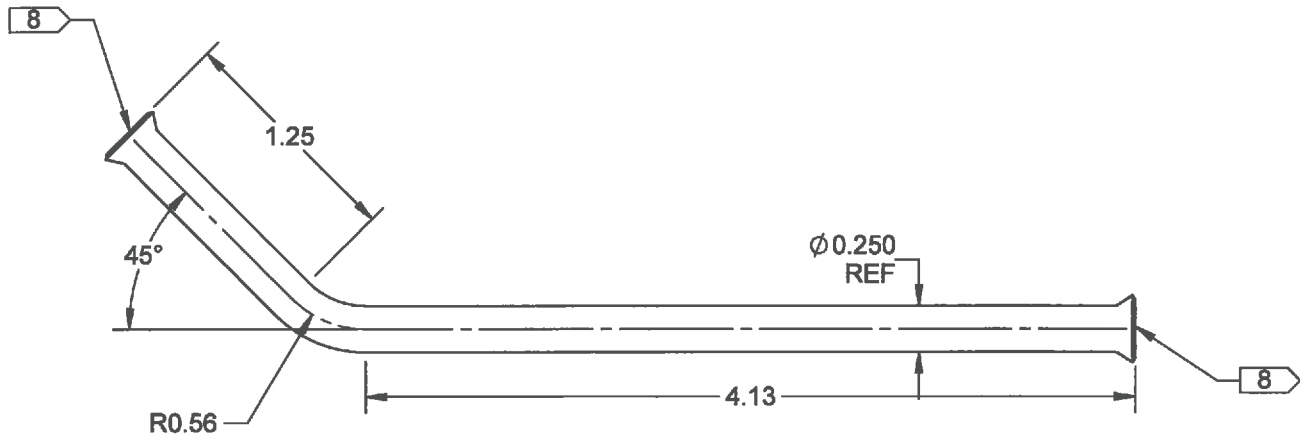
DESIGN		EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 5 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.	

ITEM NO.	QTY. -049	PART NUMBER	DESCRIPTION
1	X	E4627-049	DRAIN TUBE ASSEMBLY
2	1	E4627-5	TUBE
3	2	AN818-4D	NUT COUPLING
4	2	MS20819-4D	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.56	4.14	45.0	0.0
END B	-	5.95	-	-



E4627-049 DRAIN TUBE ASSEMBLY

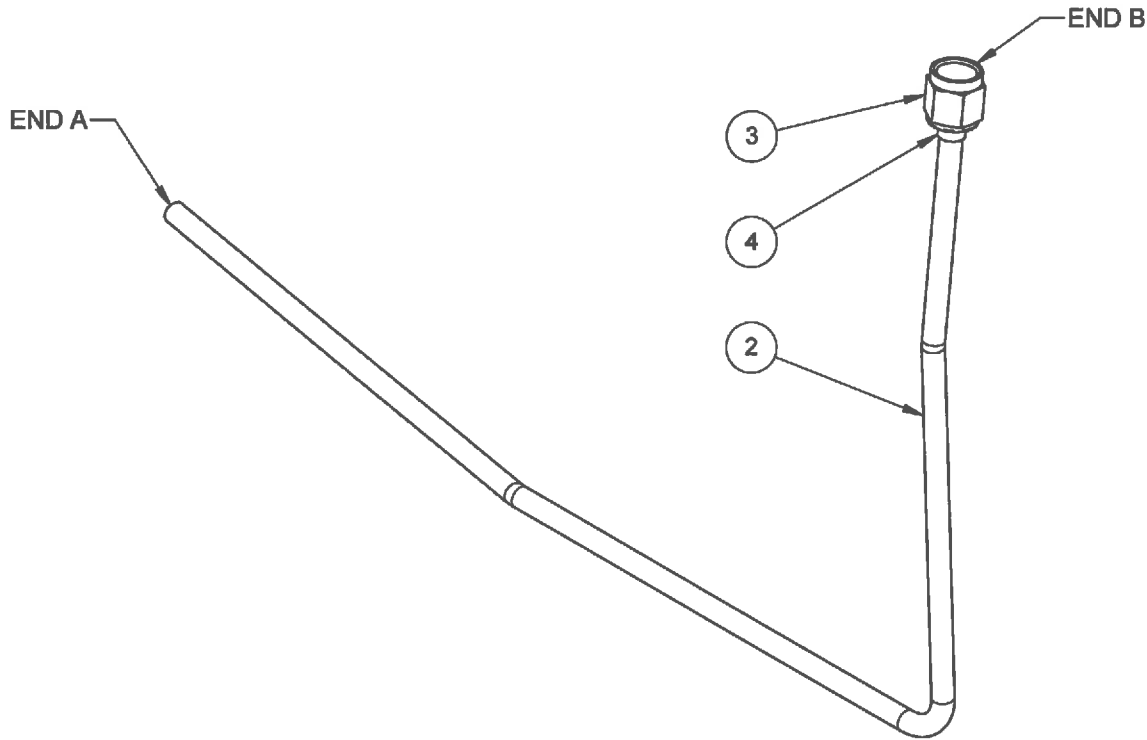


E4627-5 TUBE

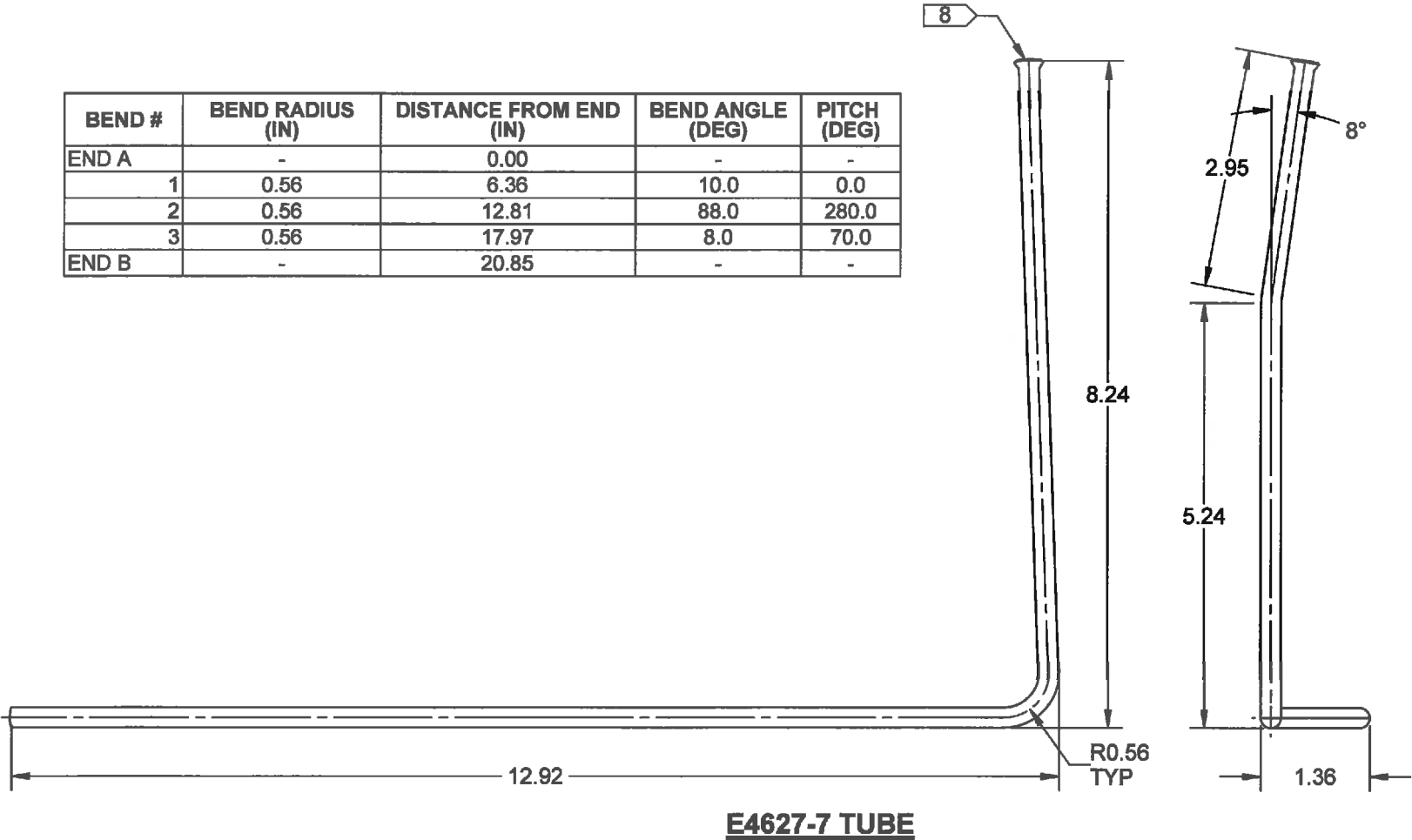
- NOTES:
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, $\phi 0.250 \times 0.035$ WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DAT QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.02 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 100 PSI
 - 10) MARK LINE WITH BRADY B-999 "FUEL" AND "DRAIN" TAPE

DESIGN		EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 6 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

ITEM NO.	QTY. -051	PART NUMBER	DESCRIPTION
1	X	E4627-051	DRAIN TUBE ASSEMBLY
2	1	E4627-7	TUBE
3	1	AN818-4D	NUT COUPLING
4	1	MS20819-4D	SLEEVE COUPLING



BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.56	6.36	10.0	0.0
2	0.56	12.81	88.0	280.0
3	0.56	17.97	8.0	70.0
END B	-	20.85	-	-



E4627-051 DRAIN TUBE ASSEMBLY

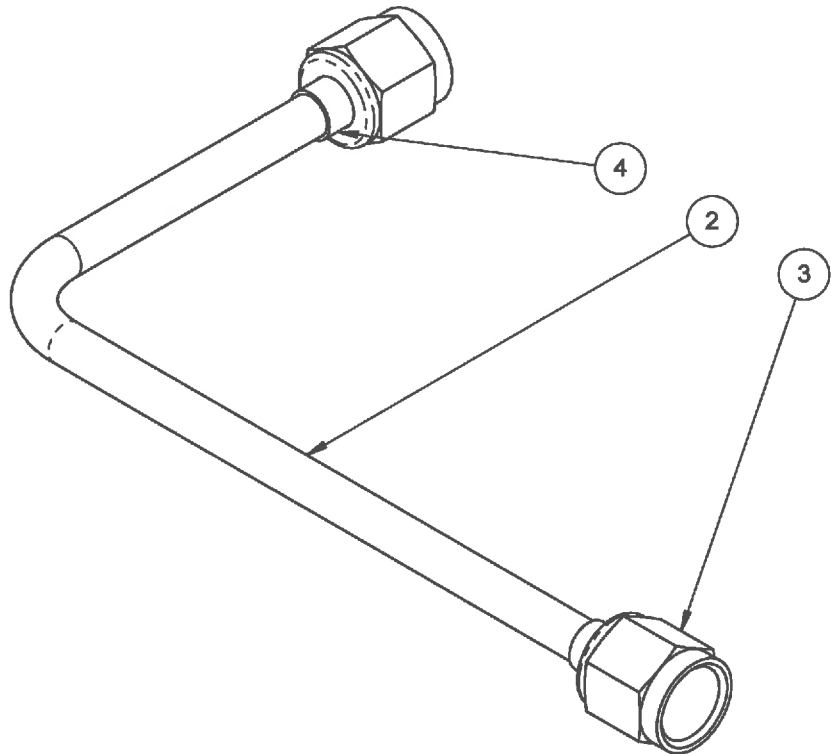
E4627-7 TUBE

- NOTES:
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, \varnothing 0.250 X 0.035 WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.03 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) MARK LINE WITH BRADY B-999 "FUEL" AND "DRAIN" TAPE

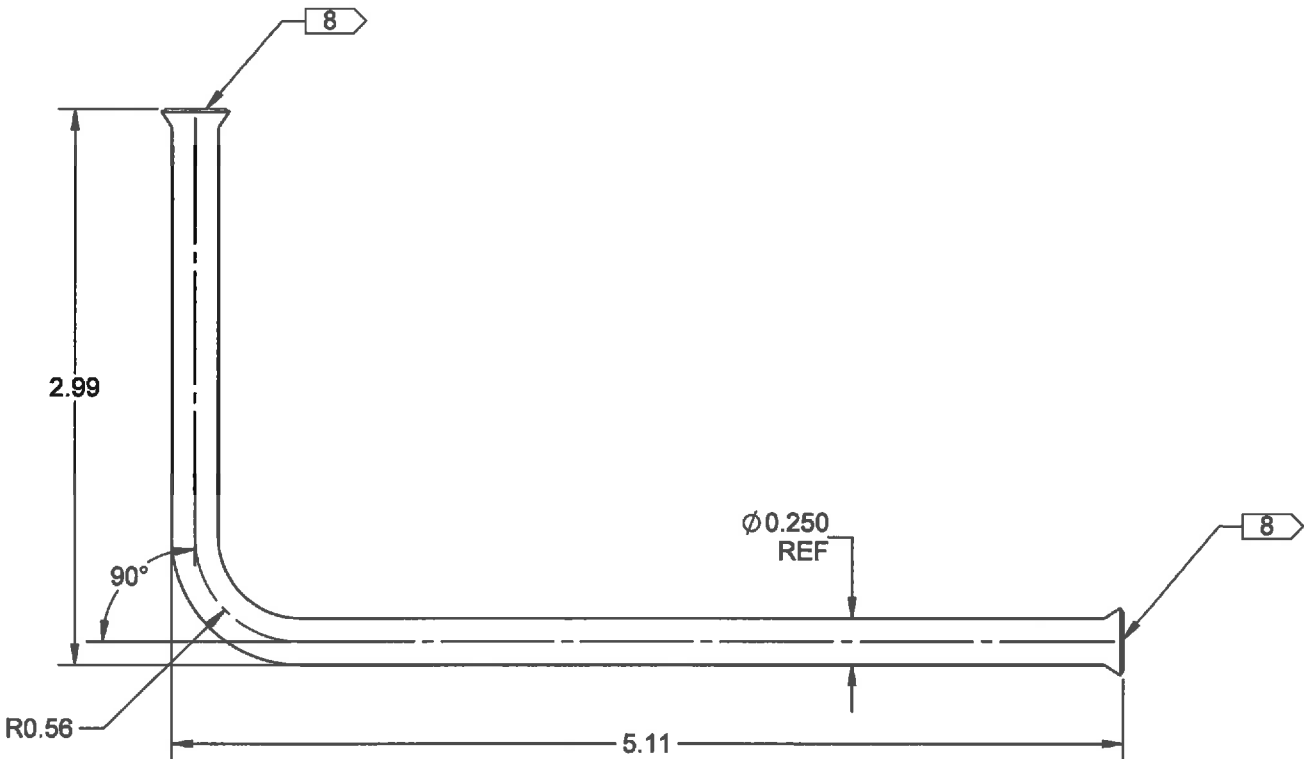
DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 7 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	<small>COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

ITEM NO.	QTY. -053	PART NUMBER	DESCRIPTION
1	X	E4627-053	DRAIN TUBE ASSEMBLY
2	1	E4627-9	TUBE
3	2	AN818-4D	NUT COUPLING
4	2	MS20819-4D	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.56	4.48	90.0	0.0
END B	-	7.70	-	-



E4627-053 DRAIN TUBE ASSEMBLY



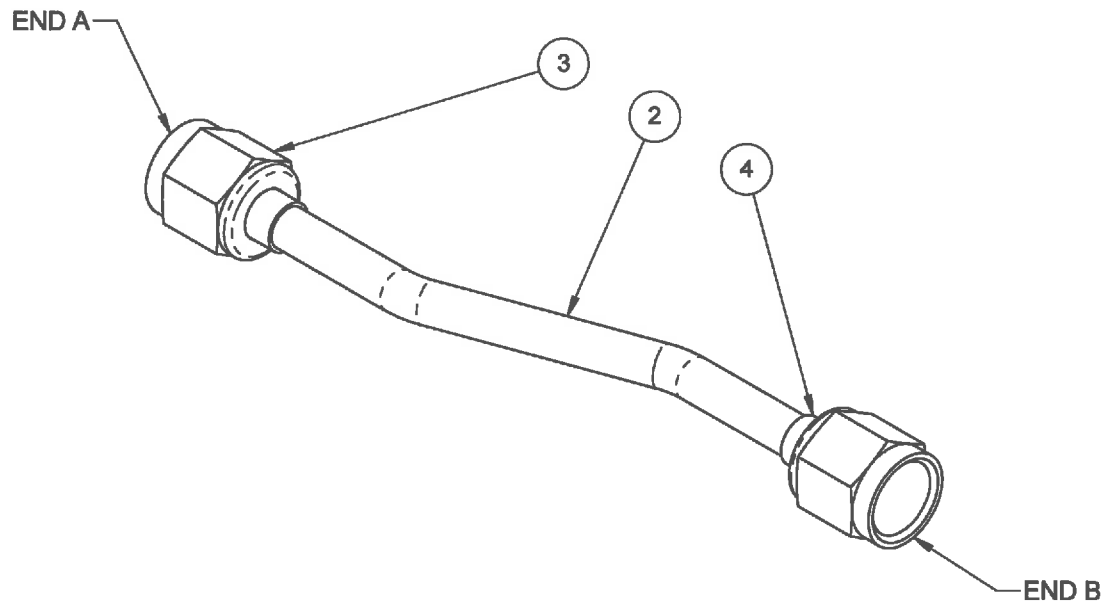
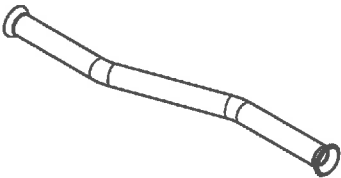
E4627-9 TUBE

- NOTES:
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, ϕ 0.250 X 0.035 WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.02 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 100 PSI
 - 10) MARK LINE WITH BRADY B-999 "FUEL" AND "DRAIN" TAPE

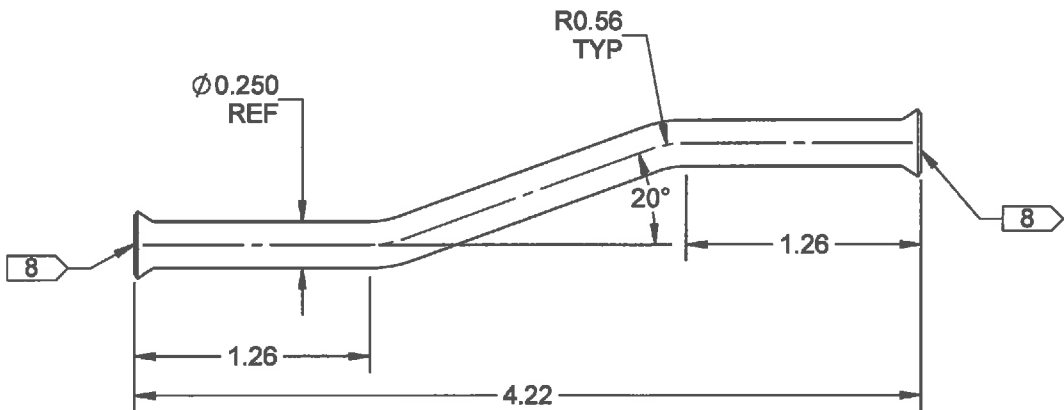
DESIGN		EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 8 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

ITEM NO.	QTY. -055	PART NUMBER	DESCRIPTION
1	X	E4627-055	DRAIN TUBE ASSEMBLY
2	1	E4627-11	TUBE
3	2	AN818-4D	NUT COUPLING
4	2	MS20819-4D	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.56	1.32	20.0	0.0
2	0.56	2.79	20.0	180.0
END B	-	4.30	-	-








E4627-055 DRAIN TUBE ASSEMBLY



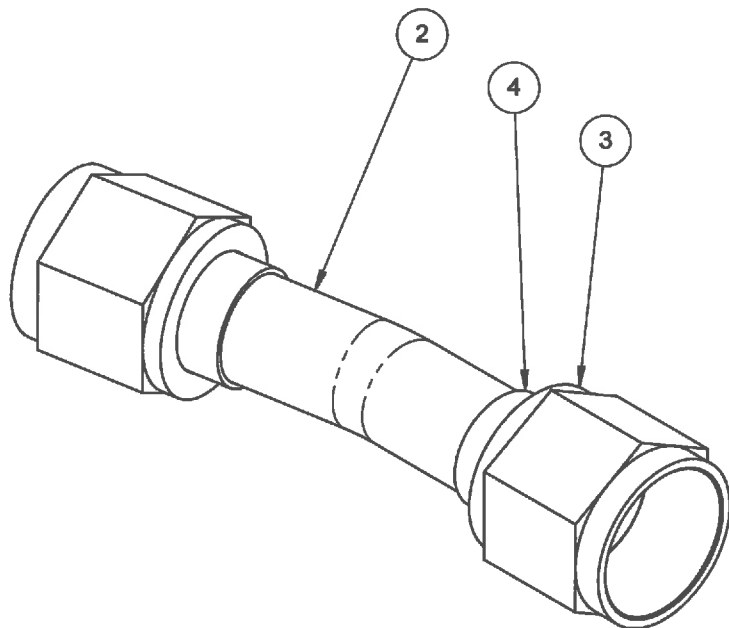
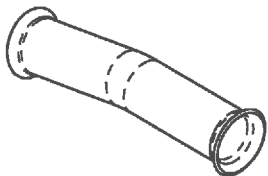
E4627-11 TUBE

- NOTES:
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, ϕ 0.250 X 0.035 WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DAT QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.02 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 100 PSI
 - 10) MARK LINE WITH BRADY B-999 "FUEL" AND "DRAIN" TAPE

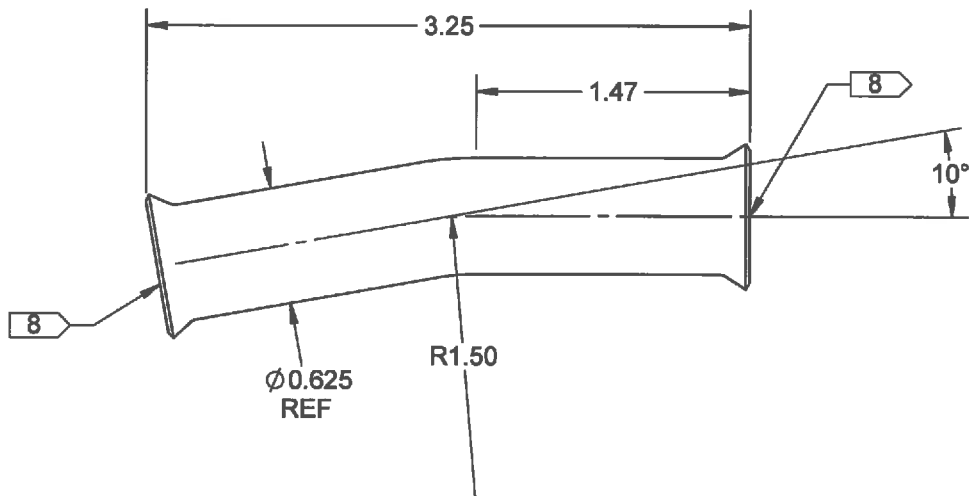
DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 9 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.			

ITEM NO.	QTY. -059	PART NUMBER	DESCRIPTION
1	X	E4627-059	OIL TUBE ASSEMBLY
2	1	E4627-15	TUBE
3	2	AN818-10D	NUT COUPLING
4	2	MS20819-10D	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	1.50	1.50	10.0	0.0
END B	-	3.26	-	-








E4627-059 OIL TUBE ASSEMBLY



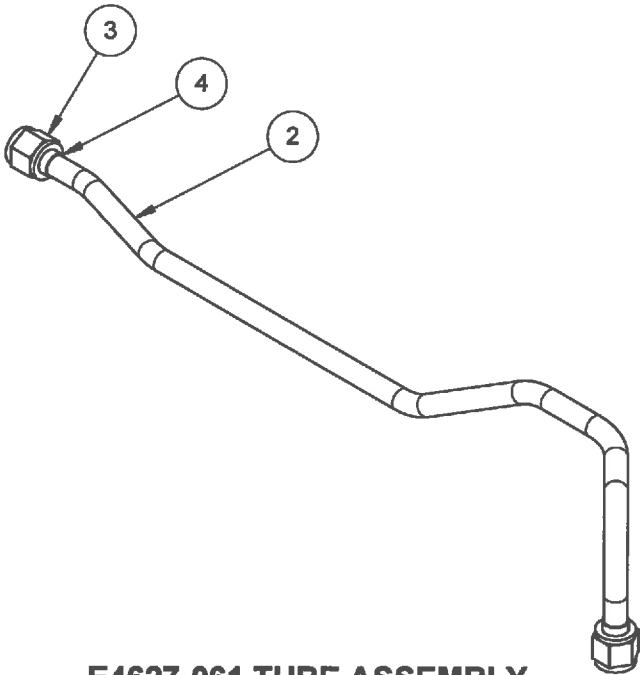
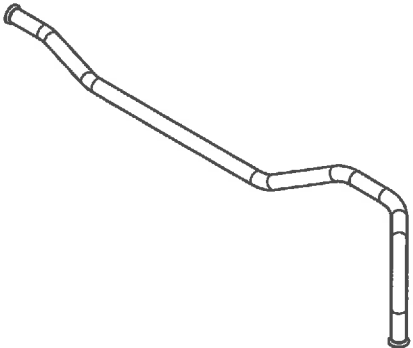
E4627-15 TUBE

- NOTES:**
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, $\phi 0.625 \times 0.049$ WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.03 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 1000 PSI
 - 10) MARK LINE WITH BRADY B-999 "ENGINE OIL" TAPE

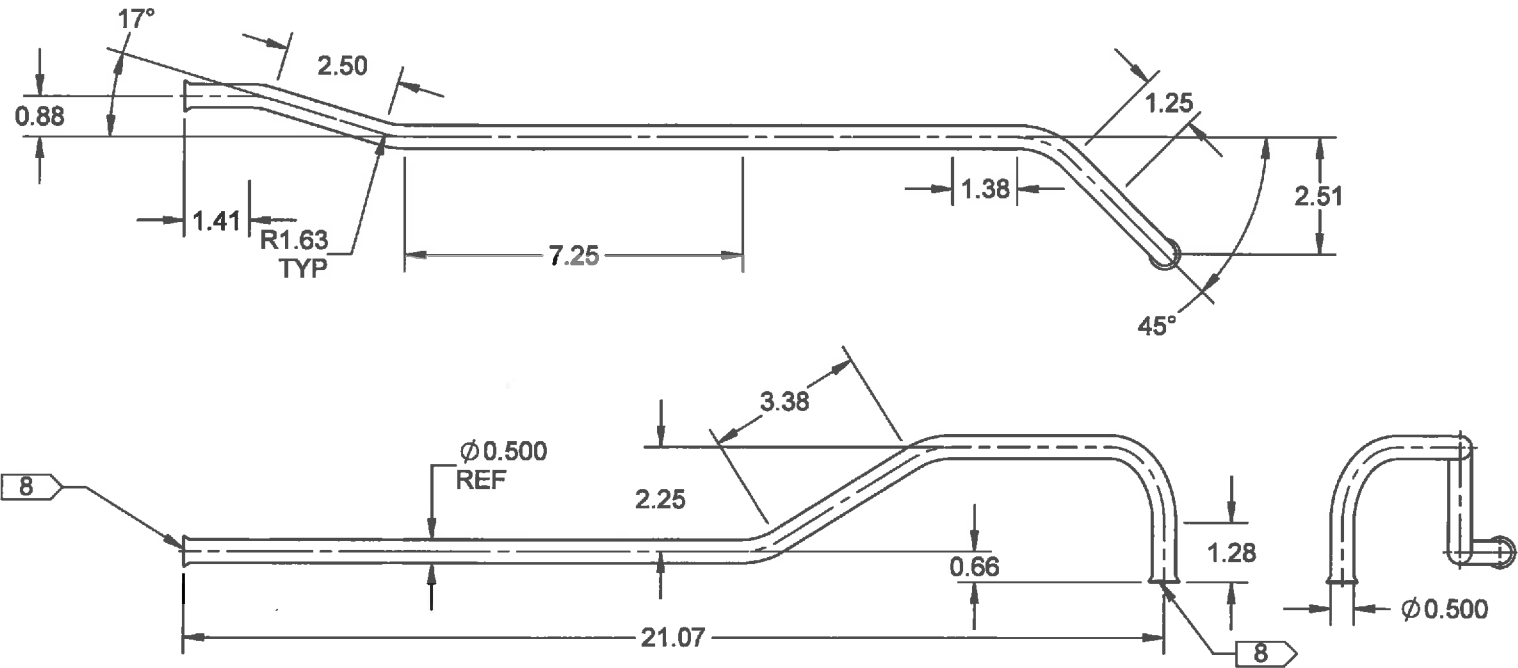
DESIGN		EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 10 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.			

ITEM NO.	QTY. -061	PART NUMBER	DESCRIPTION
1	X	E4627-061	TUBE ASSEMBLY
2	1	E4627-17	TUBE
3	2	AN818-8D	NUT COUPLING
4	2	MS20819-8D	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	1.50	1.37	83.0	0.0
2	1.50	5.24	46.0	276.0
3	1.50	7.70	33.0	353.0
4	1.50	12.21	29.0	180.0
5	1.50	20.72	16.0	98.0
6	1.50	23.56	15.0	282.0
END B	-	25.55	-	-



E4627-061 TUBE ASSEMBLY



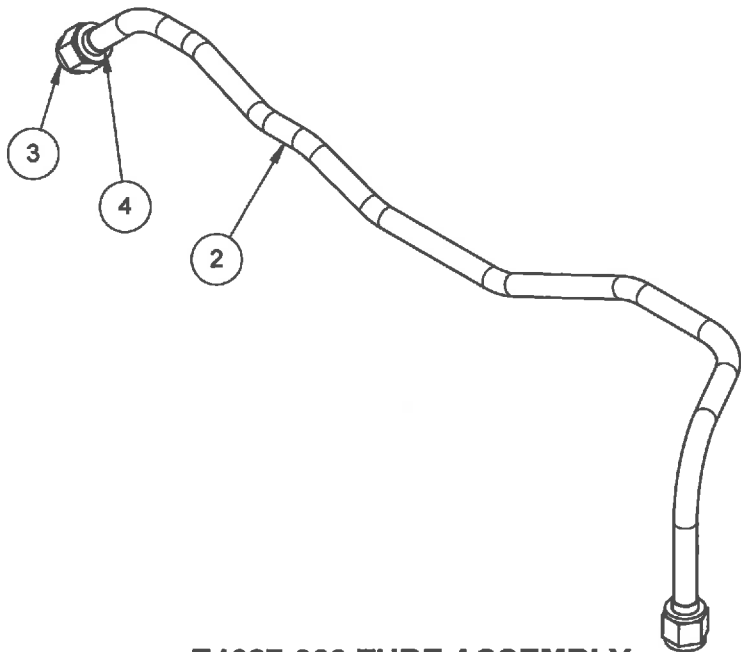
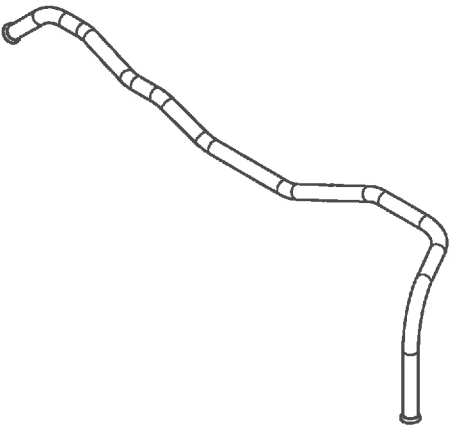
E4627-17 TUBE

- NOTES:
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, Ø0.500 X 0.049 WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.07 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 225 PSI
 - 10) MARK LINE WITH BRADY B-999 "LUBRICATION" TAPE

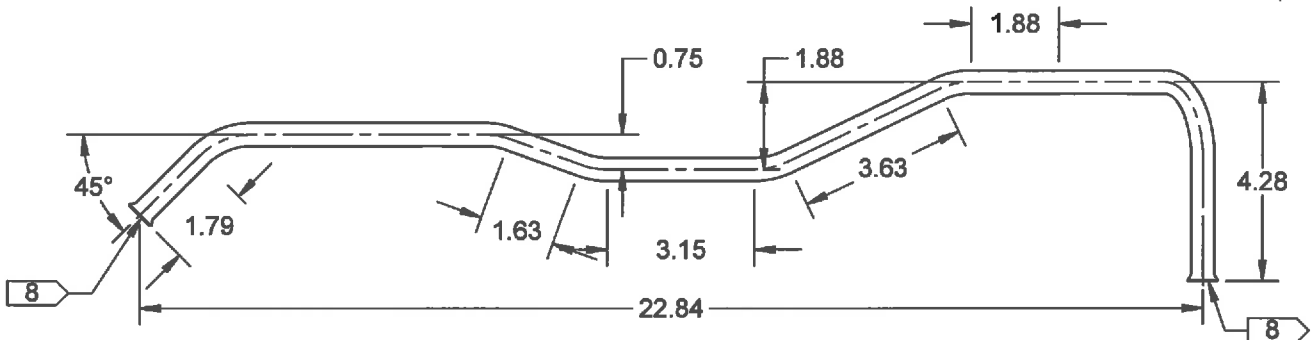
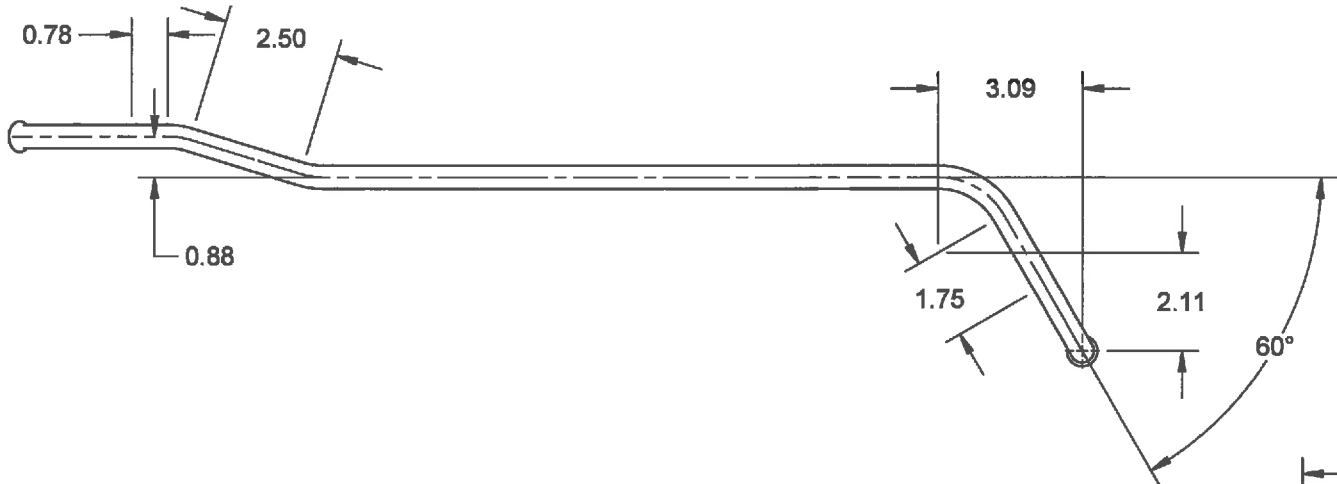
DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 11 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

ITEM NO.	QTY. -063	PART NUMBER	DESCRIPTION
1	X	E4627-063	TUBE ASSEMBLY
2	1	E4627-19	TUBE
3	2	AN818-8D	NUT COUPLING
4	2	MS20819-8D	SLEEVE COUPLING

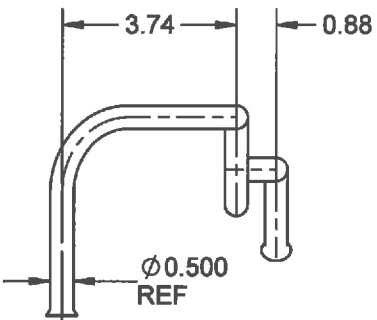
BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	1.50	1.68	42.0	0.0
2	1.50	4.28	15.0	94.0
3	1.50	6.47	14.0	281.0
4	1.50	8.14	16.0	347.0
5	1.50	10.26	21.0	180.0
6	1.50	14.53	26.0	180.0
7	1.50	18.99	31.0	0.0
8	1.50	21.55	63.0	90.0
9	1.50	25.70	86.0	0.0
END B	-	30.75	-	-



E4627-063 TUBE ASSEMBLY



E4627-19 TUBE

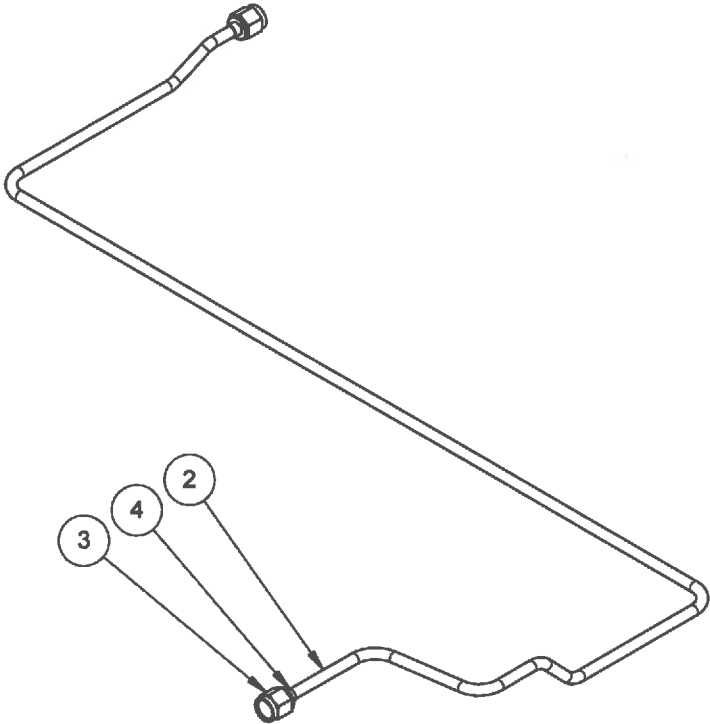


- NOTES:
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, \varnothing 0.500 X 0.049 WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.08 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 225 PSI
 - 10) MARK LINE WITH BRADY B-999 "LUBRICATION" TAPE

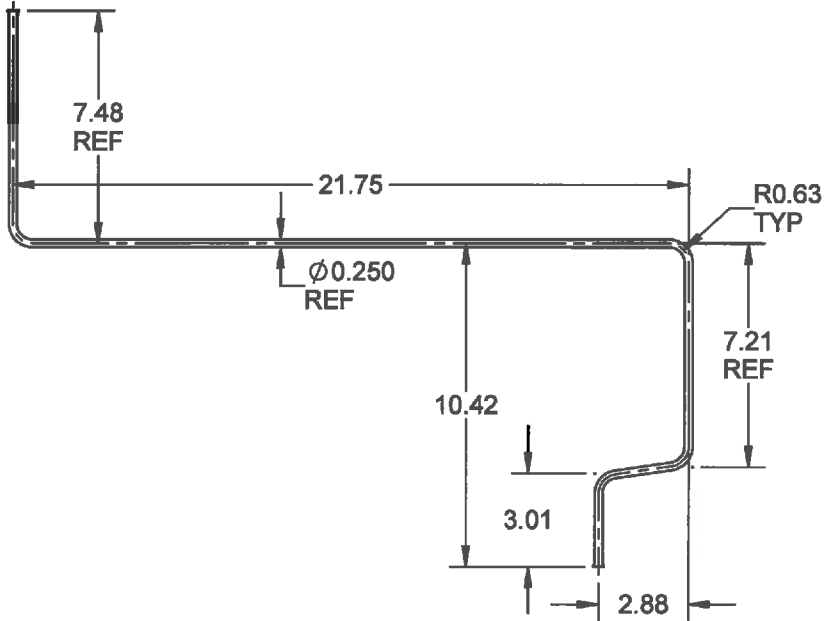
DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 12 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

ITEM NO.	QTY. -065	PART NUMBER	DESCRIPTION
1	X	E4627-065	BRAKE LINE ASSEMBLY
2	1	E4627-21	TUBE
3	2	AN818-4D	NUT COUPLING
4	2	MS20819-4D	SLEEVE COUPLING

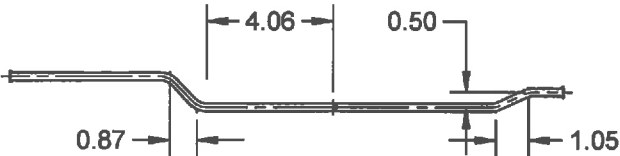
BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.56	1.68	73.0	0.0
2	0.56	4.50	69.0	180.0
3	0.56	6.47	42.0	270.0
4	0.56	8.19	37.0	90.0
5	0.56	11.95	88.0	180.0
6	0.56	33.51	88.0	0.0
7	0.56	38.73	21.0	90.0
8	0.56	40.13	21.0	270.0
END B	-	41.34	-	-



E4627-065 BRAKE LINE ASSEMBLY



E4627-21 TUBE

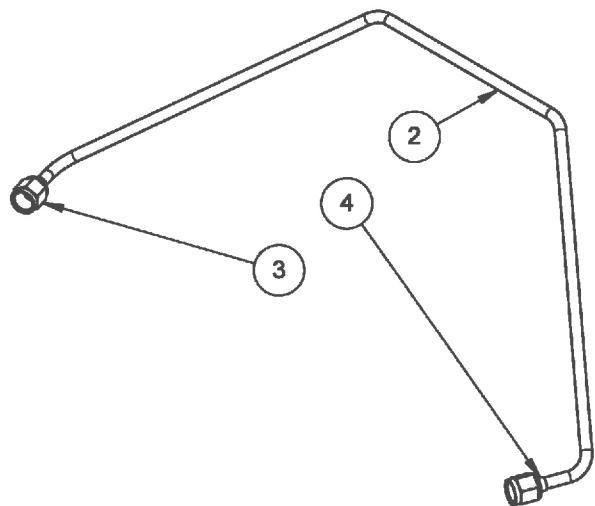


- NOTES:
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, ϕ 0.250 X 0.035 WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.10 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 1500 PSI
 - 10) MARK LINE WITH BRADY B-999 "HYDRAULIC OIL" TAPE

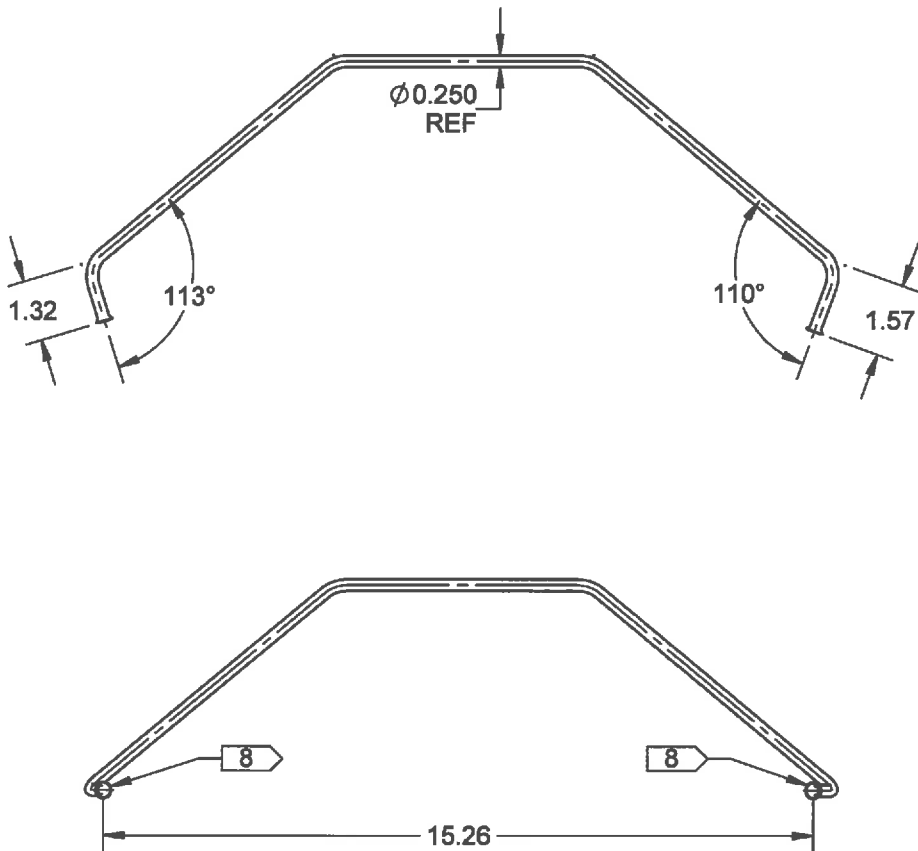
DESIGN		EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 13 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.	

ITEM NO.	QTY. -067	PART NUMBER	DESCRIPTION
1	X	E4627-067	CROSSOVER LINE ASSEMBLY
2	1	E4627-23	TUBE
3	2	AN818-4D	NUT COUPLING
4	2	MS20819-4D	SLEEVE COUPLING

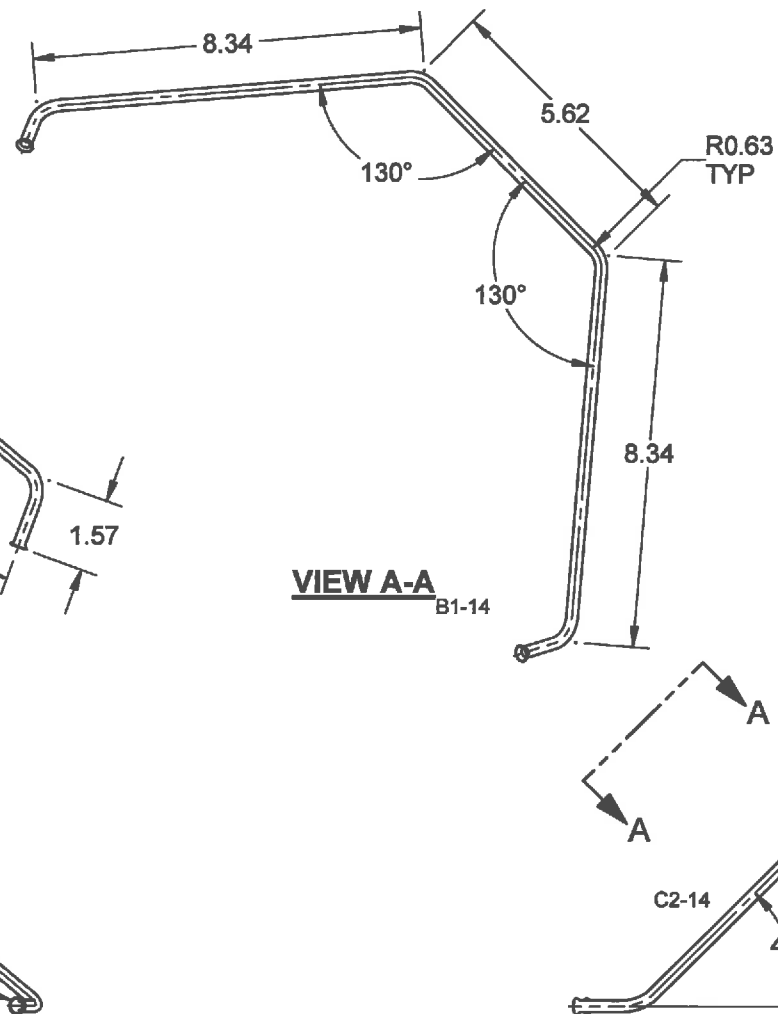
BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.56	1.10	70.0	0.0
2	0.56	9.09	52.0	48.0
3	0.56	14.60	49.0	48.0
4	0.56	22.83	71.0	0.0
END B	-	24.43	-	-



E4627-067 CROSSOVER LINE ASSEMBLY



E4627-23 TUBE



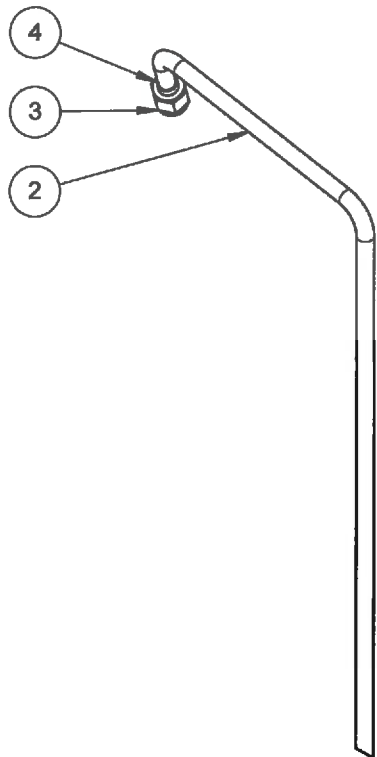
NOTES:

- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, $\varnothing 0.250 \times 0.049$ WALL PER MIL-T-7081
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.07 lbs
- 8) FLARE TUBE PER MS33584
- 9) PRESSURE TEST TO 1500 PSI
- 10) MARK LINE WITH BRADY B-999 "HYDRAULIC OIL" TAPE

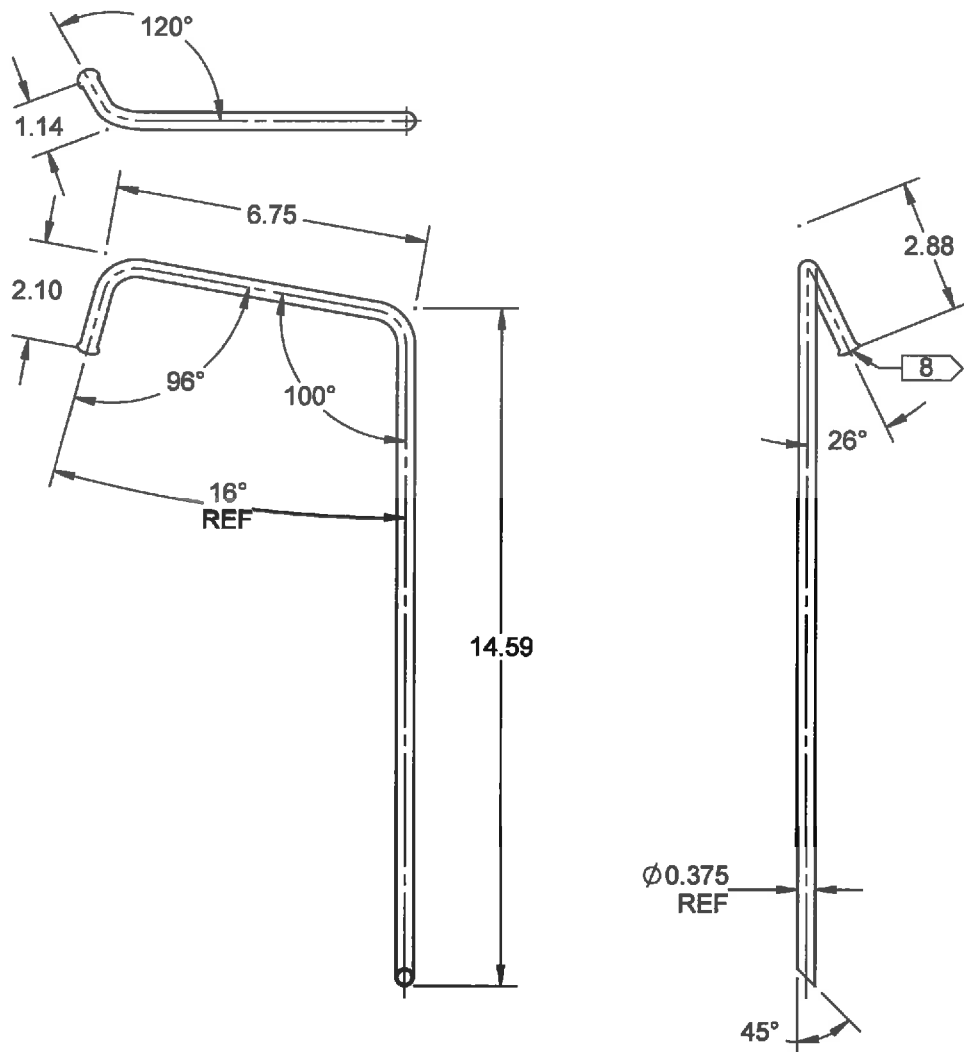
DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 14 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	<small>COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

ITEM NO.	QTY. -069	PART NUMBER	DESCRIPTION
1	X	E4627-069	TX DRAIN LINE ASSEMBLY
2	1	E4627-25	TUBE
3	1	AN818-6D	NUT COUPLING
4	1	MS20819-6D	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.94	11.72	74.0	0.0
2	0.94	17.74	90.0	24.0
END B	-	20.20	-	-



E4627-069 TX DRAIN LINE ASSEMBLY



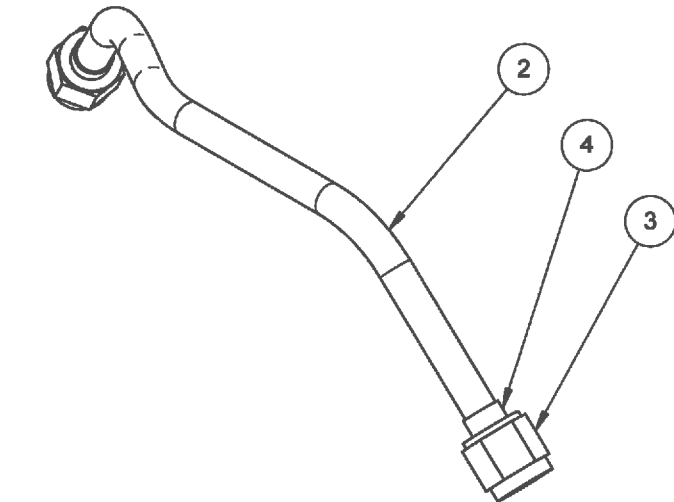
E4627-25 TUBE

- NOTES:
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, $\phi 0.375 \times 0.035$ WALL PER MIL-T-7081
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.09 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) MARK LINE WITH BRADY B-999 "VENT" TAPE

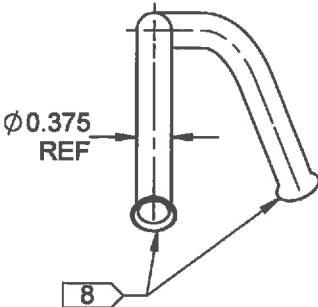
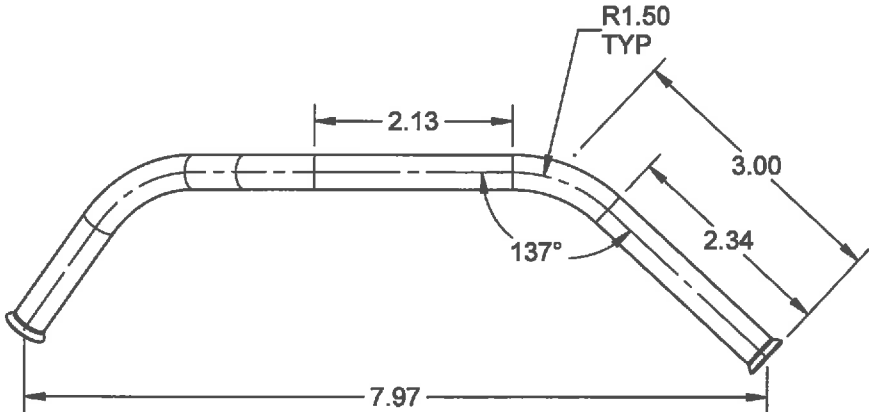
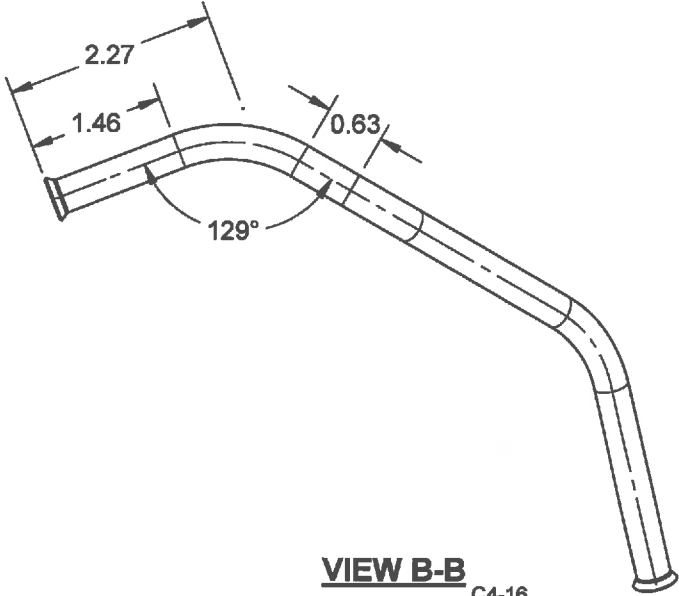
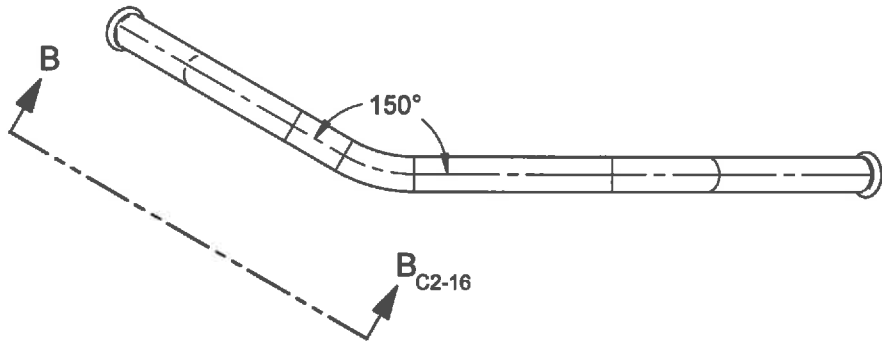
DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 15 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.			

ITEM NO.	QTY. -071	PART NUMBER	DESCRIPTION
1	X	E4627-071	LINE ASSEMBLY
2	1	E4627-27	TUBE
3	2	AN818-6J	NUT COUPLING (ALT. AN818-6K)
4	2	MS20819-6J	SLEEVE COUPLING (ALT. MS20819-6K)

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.94	2.40	43.0	0.0
2	0.94	5.56	30.0	80.0
3	0.94	7.13	46.0	355.0
END B	-	9.79	-	-



E4627-071 LINE ASSEMBLY

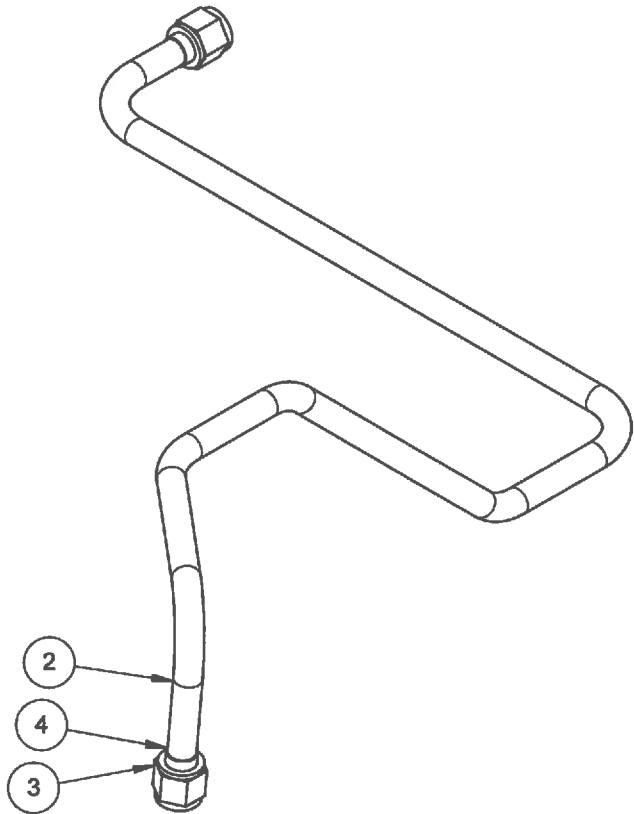


E4627-27 TUBE

- NOTES:
- 1) MATERIAL: AISI 304A STAINLESS STEEL SEAMLESS ROUND TUBING, $\varnothing 0.375 \times 0.035$ WALL PER MIL-T-8504
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.13 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) MARK LINE WITH BRADY B-999 "HYDRAULIC RETURN" TAPE
 - 10) MARK LINE WITH BRADY B-999 "FLOW" TAPE FROM END B TO END A
 - 11) PRESSURE TEST TO 1500 PSI

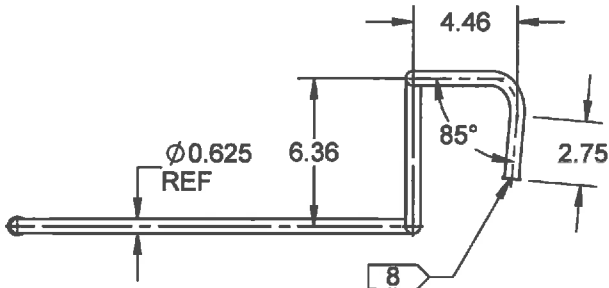
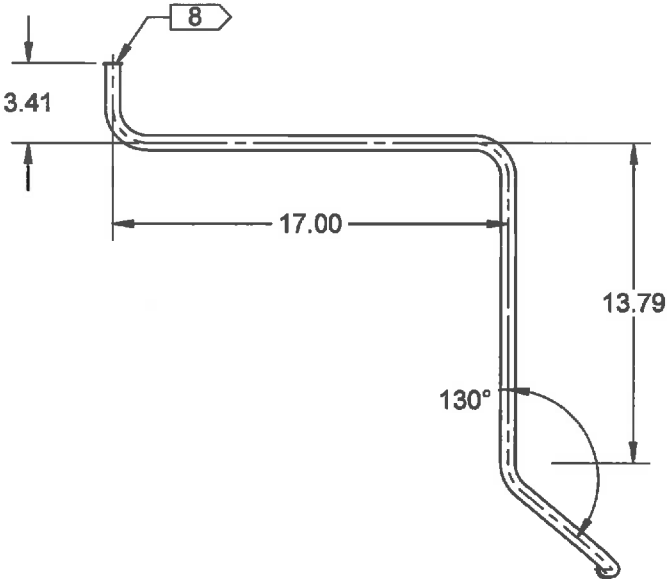
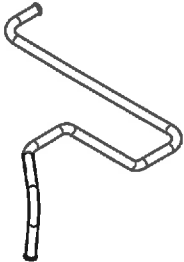
DESIGN		EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 16 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

ITEM NO.	QTY. -073	PART NUMBER	DESCRIPTION
1	X	E4627-073	BLEED AIR LINE ASSEMBLY
2	1	E4627-29	TUBE
3	2	AN818-10J	NUT COUPLING (ALT. AN818-10K)
4	2	MS20819-10J	SLEEVE COUPLING (ALT. MS20819-10K)

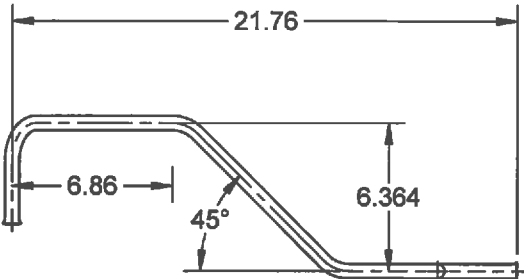


E4627-073 BLEED AIR LINE ASSEMBLY

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	1.50	2.20	81.0	0.0
2	1.50	18.38	90.0	180.0
3	1.50	23.42	39.0	257.0
4	1.50	32.52	35.0	88.0
5	1.50	36.19	49.0	3.0
6	1.50	42.36	96.0	92.0
END B	-	47.23	-	-



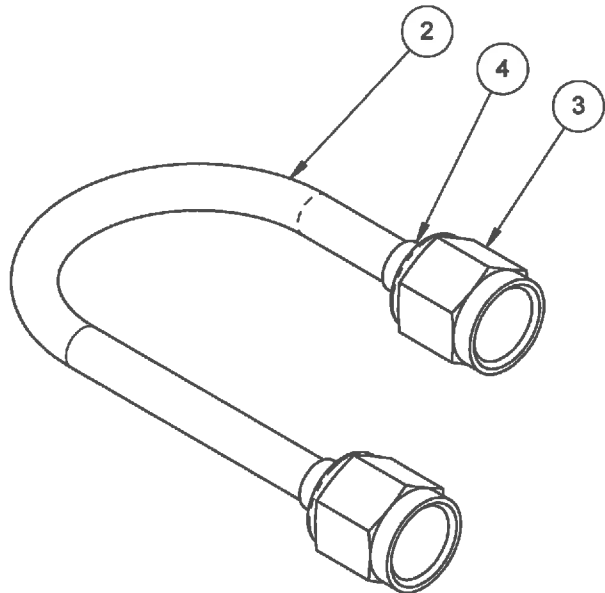
E4627-29 TUBE



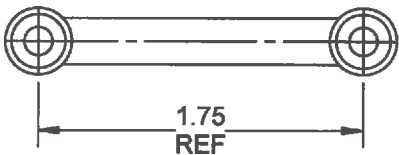
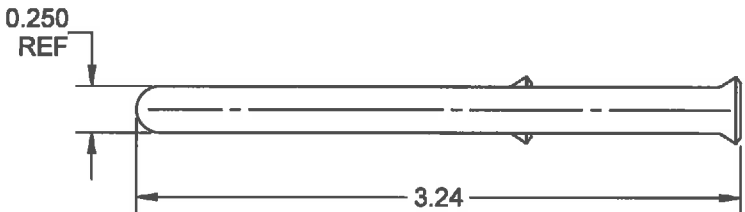
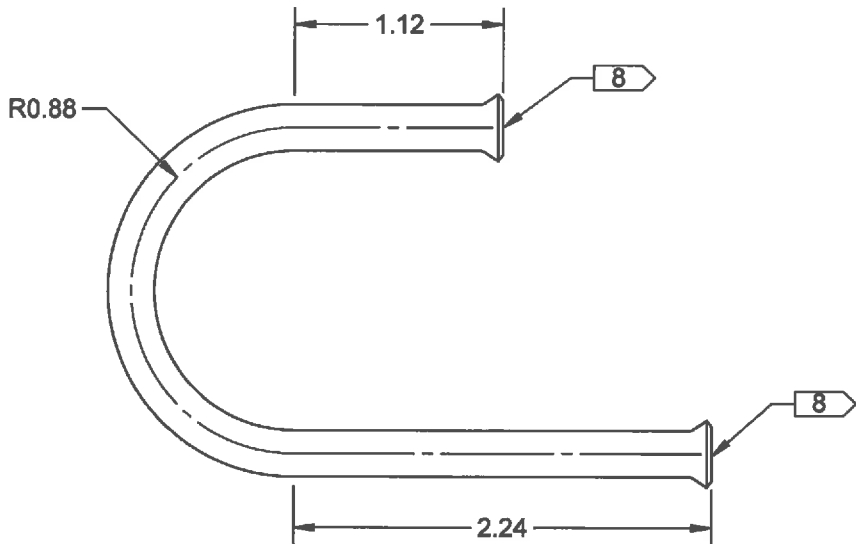
- NOTES:
- 1) MATERIAL: AISI 304A STAINLESS STEEL SEAMLESS ROUND TUBING, ϕ 0.625 X 0.035 WALL PER MIL-T-8504
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.17 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 270 PSI
 - 10) MARK LINE WITH BRADY B-999 "PNEUMATIC" TAPE

DESIGN		EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 17 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

ITEM NO.	QTY. -075	PART NUMBER	DESCRIPTION
1	X	E4627-075	BLEED AIR SENSE LINE ASSEMBLY
2	1	E4627-31	TUBE
3	2	AN818-4J	NUT COUPLING (ALT. AN818-4K)
4	2	MS20819-4J	SLEEVE COUPLING (ALT. MS20819-4K)



E4627-075 BLEED AIR SENSE LINE ASSEMBLY



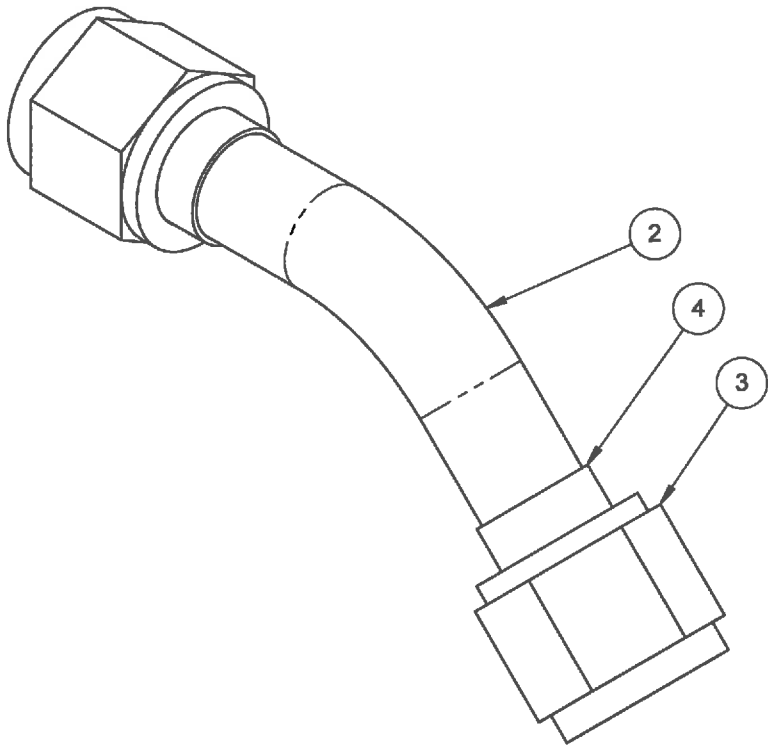
E4627-31 TUBE

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.56	2.50	90.0	0.0
2	0.56	4.11	90.0	180.0
END B	-	6.33	-	-

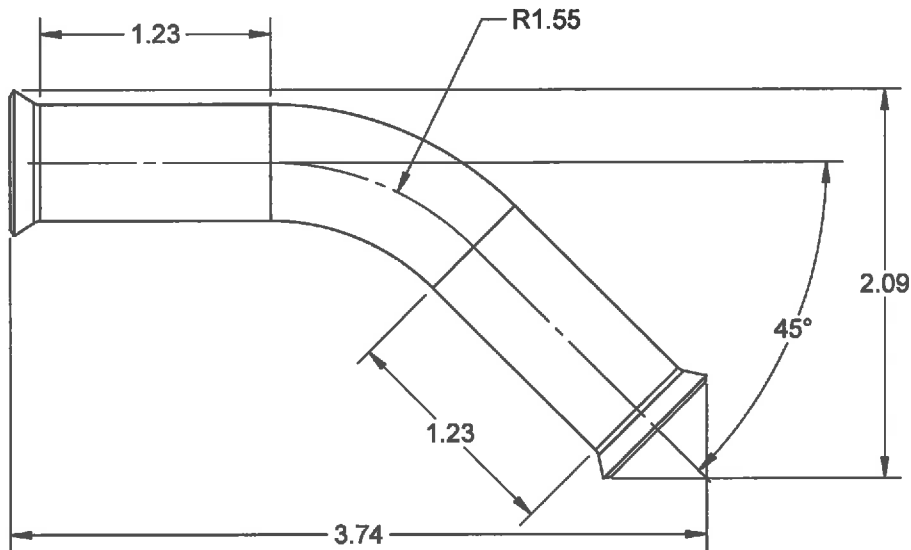
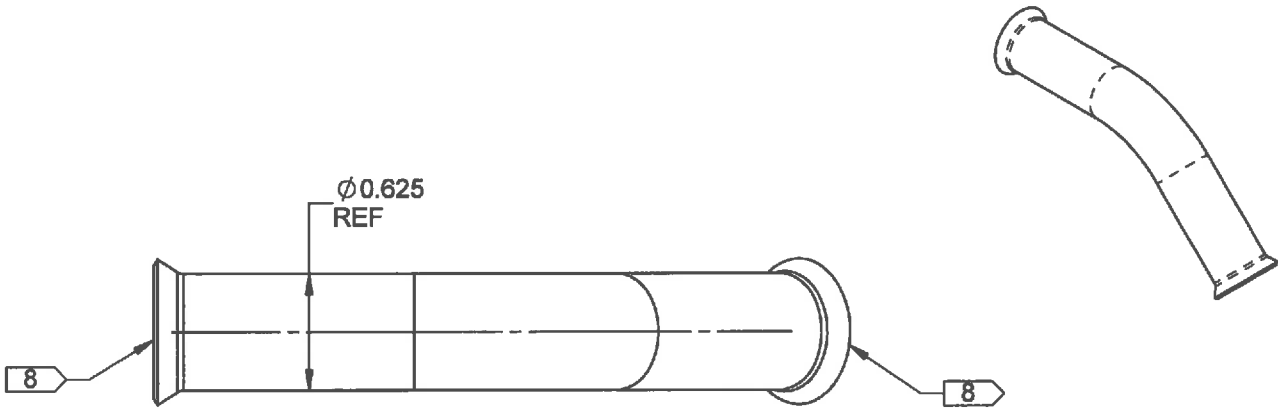
- NOTES:
- 1) MATERIAL: AISI 304A STAINLESS STEEL SEAMLESS ROUND TUBING, ϕ 0.250 X 0.035 WALL PER MIL-T-8504
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.07 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 50 PSI
 - 10) MARK LINE WITH BRADY B-999 "PNEUMATIC" TAPE

DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 18 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.	

ITEM NO.	QTY. -077	PART NUMBER	DESCRIPTION
1	X	E4627-077	BLEED AIR LINE ASSEMBLY
2	1	E4627-33	TUBE
3	2	AN818-10J	NUT COUPLING (ALT. AN818-10K)
4	2	MS20819-10J	SLEEVE COUPLING (ALT. MS20819-10K)



E4627-077 BLEED AIR LINE ASSEMBLY



E4627-33 TUBE

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	1.50	1.57	38.0	0.0
END B	-	3.84	-	-

- NOTES:**
- 1) MATERIAL: AISI 304A STAINLESS STEEL SEAMLESS ROUND TUBING, Ø0.625 X 0.035 WALL PER MIL-T-8504
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 0.13 lbs
 - 8) FLARE TUBE PER MS33584
 - 9) PRESSURE TEST TO 180 PSI
 - 10) MARK LINE WITH BARDY B-999 "PNEUMATIC" TAPE

DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4627	SHEET 19 OF 19
APPROVED		TITLE	SCALE
DE APPR.		LINES	NTS
DATE	12.12.03	<small>COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	